

Supporting Information

Manuscript title: Detection of DNA Targets Hybridized to Solid Surfaces by Using Optical Images of Liquid Crystals

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Figure S-1 shows the Michel-Levy chart. For reference and discussion purpose, we labeled each vertical line into the range of number 0 to 8. **Table S-1** shows the representative spots of each figure in the manuscript. The interference color of each spot was compared to the color range (labeled 0 to 8) in the Michel-Levy chart and listed in **Table S-1**. The order of interference color (birefringence) increases when the color of the spot moves from 0 to 8.

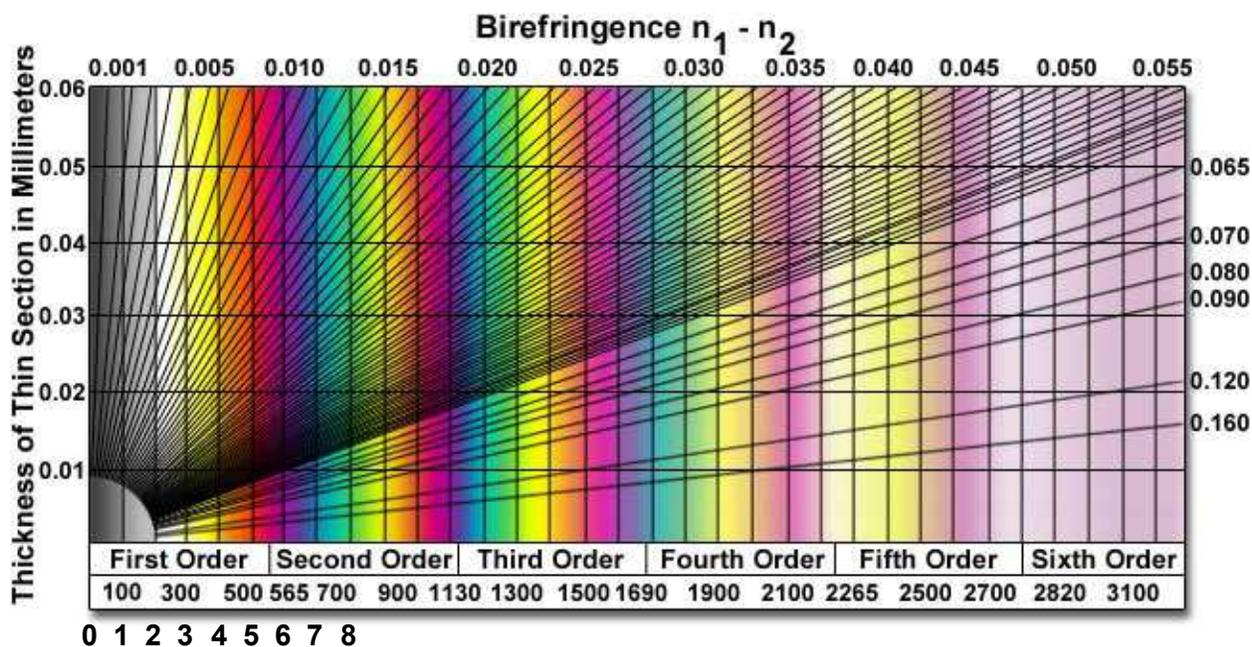


Figure S-1. Michel-Levy Birefringence Chart.¹

¹ Abramowitz, M.; Davidson, M. W. Michel-Levy Birefringence Chart

Table S-1. The Indication of LC Spots Interference Color.

					
Figure in Article	1a/ 1b/ 1c	1d			
Interference Color based on Figure S-1	In the range of 2-3	7			
					
Figure in Article	2a/ 2b/ 2c (5 μ M)	2d (5 μ M)	2e (5 μ M)	2d (1 μ M)	2e (1 μ M)
Interference Color based on Figure S-1	In the range of 1-2	7	7	In the range of 4-5	In the range of 4-5
					
Figure in Article	5a	5b	5c	5d	
Interference Color based on Figure S-1	In the range of 5-6	In the range of 1-2	In the range of 2-3	5	
					
Figure in Article	6a	6b	6c	6d	
Interference Color based on Figure S-1	7	In the range of 1-2	In the range of 4-5	5	